



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF WATER RESOURCES**  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11<sup>th</sup> Floor  
Nashville, Tennessee 37243

### Land Based Systems Inspection Report

**Facility:** Arnold Village Wastewater System  
**Address:** Horsebarn Rd @ Northshore Drive  
**County:** Franklin **City:** Arnold AFB, TN  
**UIC Authorization #** SOP-06006  
**Purpose of Visit:** permit renewal  
**Responsible Management Entity:** Arnold Engineering Development Complex (AEDC)

#### Type of System

		Latitude	Longitude
Recirculating Sand Filter	X	35 19' 32"	86 04' 00"
Oxidation( Deep Cell) Lagoon			
Wisconsin Mound			
Low Pressure Pipe System (LPP)			
Bio-Clear			
Quantics/Advantex Bio-Media Filter			
Recirculating Biological Contactor (RBC)			
Other-			

#### Dispersal Application

	Latitude	Longitude
Conventional-Dispersal		
LPP-Laterals		
Spray		
Drip Spacing		

**Waste Stream Characterization** Domestic        Commercial/Industrial         
**Disinfection** UV   X   Chlorination        Other        None         
**Photos Taken** Yes   X   No        Number         
**Fencing** Yes   X   No         
**Signs** Yes   X   No        Locations         
**Inhibited Access** Yes        No         
**Contour** Yes        No         
**Lagoon Discharging** Yes        No         
**Water Level Monitor** Yes        No         
**Design Capacity**   23,600 gpd   **Current Flow**

SOP# 06006**Site Conditions**

		Latitude	Longitude
<b>Ponding</b>	<b>X</b>		
<b>Overflow</b>			
<b>Broken-Exposed Pipes/ Stuck Solenoids/Valves</b>	<b>X</b>		
<b>Water Source:</b> <b>Public      Private</b>			
<b>Springs</b>			
<b>Private Water Wells</b>			
<b>Community Wells</b>			
<b>Non-Community Wells</b>			
<b>Sinkhole/closed depression</b>			

**Comments**

Site inspection for the issuance of the UIC/SOP Authorization

The system consists of a recirculating sand filter with UV disinfection and drip dispersal.

No weeds growing on surface on sand filter treatment system. Treatment area enclosed with a fence and locked gate.

Drip-area located across from treatment system. Drip-area fenced with a gate. Entire drip area is mowed and well maintained. Areas of ponding was observed on drip field along with two exposed pipes. No effluent was off-site, just areas of ponding. One of the areas is a large area near the front entrance to the drip field. (photos attached)

**Inspected By:** Gary Horne

**Date:** 11/10/16

**Signature:** 